

INTERNATIONAL SEARCH REPORT

 International Application No
 PCT/EP2005/001236

 A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 C07C41/02 C07C43/10 B01J19/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

 Minimum documentation searched (classification system followed by classification symbols)
 IPC 7 C07C B01J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, CHEM ABS Data, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4 146 736 A (G. SCHEFFEL) 27 March 1979 (1979-03-27) cited in the application claims; example 1	1
A	DE 31 28 962 A (HOECHST) 10 February 1983 (1983-02-10) cited in the application claims; example	1
A	DE 30 25 434 A (NISSO PETROCHEMICAL INDUSTRY) 5 February 1981 (1981-02-05) cited in the application claims	1
A	US 4 760 200 A (B. T. KEEN) 26 July 1988 (1988-07-26) cited in the application examples 14-41	1

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *S* document member of the same patent family

Date of the actual completion of the international search

12 May 2005

Date of mailing of the international search report

24/05/2005

Name and mailing address of the ISA

 European Patent Office, P.B. 5618 Patentlaan 2
 NL - 2280 HV Rijswijk
 Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
 Fax: (+31-70) 340-3016

Authorized officer

Wright, M

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No
PCT/EP2005/001236

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 4146736	A	27-03-1979	DE 2640505 A1 AT 360497 B AT 642277 A BE 858576 A1 CA 1088104 A1 CH 629464 A5 FR 2364196 A1 GB 1574485 A IT 1084225 B JP 1397638 C JP 53034709 A JP 62000137 B NL 7709743 A ,B, SE 442195 B SE 7710021 A	22-12-1977 12-01-1981 15-06-1980 09-03-1978 21-10-1980 30-04-1982 07-04-1978 10-09-1980 25-05-1985 07-09-1987 31-03-1978 06-01-1987 13-03-1978 09-12-1985 10-03-1978
DE 3128962	A	10-02-1983	DE 3128962 A1	10-02-1983
DE 3025434	A	05-02-1981	JP 1358506 C JP 56108724 A JP 61021535 B JP 56131537 A JP 1358520 C JP 56164131 A JP 61021536 B JP 1358483 C JP 56008338 A JP 61021534 B DE 3025434 A1 US 4391994 A	13-01-1987 28-08-1981 27-05-1986 15-10-1981 13-01-1987 17-12-1981 27-05-1986 13-01-1987 28-01-1981 27-05-1986 05-02-1981 05-07-1983
US 4760200	A	26-07-1988	CA 1263670 A1	05-12-1989